



PTO/SB/08A (08-03)

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known	
Application Number	10/736,068
Filing Date	Dec. 15, 2003
First Named Inventor	Ronald Mahany
Group Art Unit	2064 2617
Examiner Name	Not assigned
Attorney Docket Number	14235US02

## U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
PHD	A1	4,247,908	1/1981	Lockhart, Jr. et al.	
	A2	4,639,914	01/1987	Winters	
	A3	4,644,351	02/17/1987	Zabarsky et al.	
	A4	4,803,487	02/07/1989	Willard et al.	
	A5	4,807,222	02/1989	Amitay	
	A6	4,910,794	03/20/1990	Mahany	
	A7	4,924,462	05/08/1990	Sojka	
	A8	5,008,883	04/1991	Eizenhofer et al.	
	A9	5,029,183	7/1991	Tymes	
	A10	5,046,066	9/1991	Messenger	
	A11	5,052,020	09/24/1991	Koenck et al.	
	A12	5,070,536	12/1991	Mahany et al.	
	A13	5,077,830	12/1991	Mallia	
	A14	5,150,360	09/22/1992	Perlman et al.	
	A15	5,181,200	1/1993	Harrison	
	A16	5,210,787	05/11/1993	Hayes et al.	
	A17	5,245,051	09/1993	Mahany	
	A18	5,252,979	10/1993	Nyson	
	A19	5,276,680	1/1994	Messenger	
	A20	5,289,378	2/1994	Miller et al.	
	A21	5,295,154	3/1994	Meier et al.	
	A22	5,303,286	04/12/1994	Wiedeman	
	A23	5,331,634	07/19/1994	Fischer	
	A24	5,337,044	08/1994	Folger et al.	
	A25	5,339,316	8/1994	Diepstraten	
	A26	5,339,352	08/16/1994	Armstrong et al.	
	A27	5,349,678	09/20/1994	Morris et al.	
	A28	5,528,025	6/1996	Swintek	
	A29	5,555,276	09/10/1996	Koenck et al.	
	A30	5,568,645	10/22/1996	Morris et al.	
	A31	5,602,854	02/11/1997	Luse et al.	
	A32	5,602,936	2/1997	Green et al.	
PHD	A33	5,657,317	08/12/1997	Mahany et al.	

EXAMINER SIGNATURE	<i>John D. H.</i>	DATE CONSIDERED	01 03 08
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Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	10/736,068
				Filing Date	Dec. 15, 2003
				First Named Inventor	2661
				Group Art Unit	2661
				Examiner Name	Not assigned
				Attorney Docket Number	14235US02
Sheet	2	Of	2		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
PHD	A34	5,673,031	09/30/1997	Meier	
	A35	5,675,375	08/12/1997	Connolly et al.	
	A36	5,680,633	10/21/1997	Koenck et al.	
	A37	5,682,379	10/28/1997	Mahany et al.	
	A38	5,696,903	12/09/1997	Mahany	
	A39	5,708,680	01/13/1998	Gollnick et al.	
	A40	5,726,984	03/10/1998	Kubler et al.	
	A41	5,740,366	04/14/1998	Mahany et al.	
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	A43	5,805,807	9/1998	Hanson et al.	
	A44	5,950,124	09/07/1999	Trompower et al.	
	A45	6,006,090	12/21/1999	Coleman et al.	
	A46	6,006,100	12/21/1999	Koenck et al.	
	A47	6,031,830	02/29/2000	Cowan	
↓	A48	6,069,877	05/30/2000	Yang	
PHD	A49	6,259,898	07/10/2001	Lewis	

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
PHD	A50	WO 92/02084	02/06/1992	Koenck et al.	
	A51	JP 2060252	02/28/1990	Toshiba	
	A52	EP 0549235	06/30/1993	NCR International	
	A53	WO 93/07691	04/15/1993	NORAND CORP.	
	A54	WO 94/15413	07/07/1994	NORAND CORP.	
↓	A55	WO 94/27382	11/24/1994	NORAND CORP.	
	A56	WO 96/03823	02/08/1996	NORAND CORP.	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			
	A57				
	A58				

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PHD	A1	5,153,902	10-06-1992	Buhl et al.	
PHD	A2	5,353,340	10-04-1994	Kunz	
	A3				
	A4				
	A5				
	A6				
	A7				
	A8				
	A9				
	A10				
	A11				
	A12				

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	A13					
	A14					
	A15					
	A16					
	A17					

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	A18					
	A19					
	A20					
	A21					
	A22					

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Complete if Known	
Application Number	10/736,068
Filing Date	December 15, 2003
First Named Inventor	Ronald L. Mahany et al.
Group Art Unit	2616
Examiner Name	Vu, Huy Duy
Attorney Docket No.	14235US02

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		Number-Kind Code <sup>2</sup> (if known)			
PHD	A1	4,553,081	11-12-1985	Koenck	
	A2	4,716,354	12-29-1987	Hacker	
	A3	4,961,043	10-02-1990	Koenck	
	A4	5,260,988	11-09-1993	Schellinger et al.	
	A5	5,371,898	12-06-1994	Grube et al.	
	A6	5,420,911	05-30-1995	Dahlin et al.	
	A7	5,452,289	09-19-1995	Sharma et al.	
	A8	5,533,019	07-02-1996	Jayapalan	
	A9	5,546,077	10-08-1996	Obayashi et al.	
	A10	5,594,782	01-14-1997	Zicker et al.	
	A11	5,610,910	03-11-1997	Focsaneanu et al.	
	A12	5,654,957	08-05-1997	Koyama	
	A13	5,754,542	05-19-1998	Ault et al.	
↓ PHD	A14	5,764,736	06-09-1998	Shachar et al.	↓
	A15	5,777,991	07-07-1998	Adachi et al.	

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
PHD	B1	PCT/WO91/08629	06-13-1991	Berken	_____	—

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

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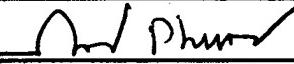
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Substitute for form 1449A/PTO				<b>Complete if Known</b>	
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				Examiner Name	Vu, Huy Duy
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<b>OTHER ART -- NON PATENT LITERATURE DOCUMENTS</b>		
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PHD	C1	Amended Preliminary Invalidity Contentions with Exhibit D, 02/21/2006
	C2	FISHER R., "Dual Mode Mobile Unit For Next Generation Digital Narrow Channel Cellular Telephone System", IEEE 1988, Ch. 2622, pp. 543-547
	C3	EIA/TIA Interim Standard: Cellular System Dual-Mode Mobile station – Base Station Compatibility Standard IS-54, published on or before 05/1990
	C4	KARN P., "Amateur TCP/IP: An Update", ARRL Amateur Radio 7th Computer Networking Conference, 10/01/1988
	C5	KARN P., KA9Q Software, 1991, 01/1992 and 12/1992 versions
	C6	FRANK D., "Transmission of IP Datagrams Over NET/ROM Networks", ARRL Amateur Radio 7th Computer Networking Conference, 10/01/1988
	C7	KARN P., Amateur TCP/IP in 1989, ARRL Amateur Radio 8th Computer Networking Conference, 10/07/1989
	C8	KARN P., "The KA9Q Internet (TCP/IP) Package: A Progress Report", ARRL Amateur Radio 6th Computer Networking Conference, 10/07/1987
	C9	BROCK M., et al., "A High Performance Packet Switch", PS-186 Documentation
	C10	KANTOR B., "Software Design Issues For The PS-186 Advanced Packet Network Controller", ARRL Amateur Radio 6th Computer Networking Conference, 08/29/1987
	C11	RAIKES et al., "NET/ROM State-Of-The-Art Networking Firmware For The TNC-2: Amateur Radio Version 1 Documentation", 05/1987
	C12	KUNZINGER F.F., "Energy Saving Features Of The Autoplex Cellular Telecommunications System", 12th International Telecommunications Energy Conference (INTELEC), pp. 47-54, 10/21-25-1990
PHD	C13	KA9Q NOS Radio Unit, published on or before 12/1992
	C14	PS-186 Advanced Packet Network Controller, published on or before 11/13/1987

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PHD	B1	WO 94/11967	05/26/1994	Weeks	_____
PHD	B2	WO 96/05592	02/22/1996	Qualcomm	_____

<b>OTHER ART -- NON PATENT LITERATURE DOCUMENTS</b>					
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PHD	C15	HUANG, "Data Replication For Mobile Computers", ACM-SIGMOD, 05/1994			
	C16	BLAZE, "Catching In Large-Scale Distributed File Systems", PhD thesis, Princeton University, 01/1993			
	C17	IMIELINSKI et al., "Mobile Wireless Computing: Solutions And Challenges In Data Management", Dept. of Computer Science, Rutgers University, 1992			
	C18	DOUGLAS, "Transparent Process Migration: Design Alternatives And The Sprite Implementation", Software-Practice And Experience, Vol.; 21(8), 757-785, 08/1991			
	C19	BARTAL et al., "The Distributed k-Server Problem—A Competitive Distributed Translator for k-Server Algorithms, 1992			
↓	C20	BARBARA et al., "Replicated Data Management In Mobile Environments: Anything New Under The Sun?", 10/22/1993			
PHD	C21	HUANG et al., "Object Allocation In Distributed Databases And Mobile Computers", 02/1994			

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IDS - VoIP 5,657,317 and 6,389,010\No Fee\14235US02\14235US02 Supp PTOSB08A.doc

Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	
(use as many sheets as necessary)				Filing Date	
				First Named Inventor	
				Group Art Unit	
				Examiner Name	
				Attorney Docket Number	
Sheet	1	of	4		

U.S. PATENT DOCUMENTS					
Examiner Initial*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
PHD	A7	5,295,154	03/15/1994	Meier et al.	
	A8	5,394,436	02/28/1995	Meier et al.	
	A9	5,732,359	03/24/1998	Baranowsky	
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	A11	5,550,895	08/27/1996	Burson	
	A12	5,325,419	06/28/1994	Connolly	
	A13	5,533,097	07/02/1996	Crane	
	A14	5,712,868	01/27/1998	Stern	
	A15	5,257,401	10/26/1993	Dahlin	
	A16	5,550,895	08/27/1996	Burson	
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	A18	6,542,716	04/01/2003	Dent	
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	A21	4,715,354	12/29/1987	Hacker	
	A22	5,796,727	08/18/1998	Harrison	
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	A24	5,343,512	08/30/1994	Wang	
	A25	5,367,304	11/22/1994	Jan	
	A26	5,410,728	04/25/1995	Bertiger	
	A27	6,006,100	12/21/1999	Koenck	
	A28	5,452,471	09/19/1995	Leopold	
	A29	5,422,934	06/06/1995	Massa	
	A30	5,392,460	02/21/1995	Matilla	
	A31	5,117,449	05/26/1992	Metroka	
	A32	5,251,117	11/09/1993	Olson	
	A33	5,414,432	05/09/1995	Penny, Jr.	
	A34	5,008,925	04/16/1991	Piereh	
	A35	5,854,954	12/29/1998	Sainton	
	A36	5,093,926	03/03/1992	Sasuta	
	A37	5,210,785	05/11/1993	Sato	
PHD	A38	5,712,868	01/27/1998	Stern	

EXAMINER SIGNATURE	<i>D. Phm</i>	DATE CONSIDERED	01/03/08
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Substitute for form 1449A/PTO			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>			
(use as many sheets as necessary))			
Sheet	2	Of	4

<i>Complete if Known</i>	
Application Number	10/736,068
Filing Date	December 15, 2003
First Named Inventor	Mahany et al.
Group Art Unit	2616
Examiner Name	Vu, Huy Duy
Attorney Docket Number	14235US02

<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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PHD	A39	5,301,359	04/05/1994	Van Den Heuvel	
	A40	5,343,512	08/30/1994	Wang	
	A41	5,303,286	04/12/1994	Wiedeman	
	A42	4,989,230	01/29/1991	Gillig	
	A43	5,227,802	07/13/1993	Pullman	
	A44	5,261,117	11/09/1993	Olson	
	A45	5,331,634	07/19/1994	Fischer	
	A46	5,668,837	09/16/1997	Dent	
PHD	A47	5,854,985	12/29/1998	Sainton	

<b>FOREIGN PATENT DOCUMENTS</b>					
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PHD	B1	WO 94/11967	05/26/1994	Weeks	—
	B2	WO 96/05592	02/22/1996	Qualcomm	—
	B3	WO 92/02084	02/06/1992	Koenck	—

<b>OTHER ART -- NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			
PHD	C15	BARBARA et al., "Replicated Data Management In Mobile Environments: Anything New Under The Sun?", 10/22/1993			
	C16	BARTAL et al., "The Distributed k-Server Problem -A Competitive Distributed Translator for k-Server Algorithms, 1992			
	C17	BLAZE, "Caching In Large-Scale Distributed File Systems", PhD thesis, Princeton University, 01/1993			
	C18	DOUGLAS, "Transparent Process Migration: Design Alternatives And The Sprite Implementation", Software-Practice And Experience, Vol.; 21(8), 757-785, 08/1991			
	C19	HUANG et al., "Object Allocation In Distributed Databases And Mobile Computers", 02/1994			
	C20	HUANG, "Data Replication For Mobile Computers", ACM-SIGMOD, 05/1994			
	C21	IMIELINSKI et al., "Mobile Wireless Computing: Solutions And Challenges In Data Management", Dept. of Computer Science, Rutgers University, 1992			

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Sheet	3	Of	4														
<table border="1" style="float: right; margin-right: 10px;"> <tr><td colspan="2" style="text-align: center;"><i>Complete if Known</i></td></tr> <tr><td>Application Number</td><td>10/736,068</td></tr> <tr><td>Filing Date</td><td>December 15, 2003</td></tr> <tr><td>First Named Inventor</td><td>Mahany et al.</td></tr> <tr><td>Group Art Unit</td><td>2616</td></tr> <tr><td>Examiner Name</td><td>Vu, Huy Duy</td></tr> <tr><td>Attorney Docket Number</td><td>14235US02</td></tr> </table>				<i>Complete if Known</i>		Application Number	10/736,068	Filing Date	December 15, 2003	First Named Inventor	Mahany et al.	Group Art Unit	2616	Examiner Name	Vu, Huy Duy	Attorney Docket Number	14235US02
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PHD	C22	Defendant And Counterclaim Plaintiff Qualcomm Incorporated's Final Invalidity Contentions For U.S. Patent No. 5,657,317
	C23	"Advanced Mobile Phone System", Bell System Technical Journal, Vol. 58, No. 1, 01/1979
	C24	BIBA, "A Hybrid Wireless MAC Protocol Supporting Asynchronous And Synchronous MSDU Delivery Services", IEEE 802.11 Wireless Access Methods and Physical Layer Specifications, 09/1991
	C25	LAU, et al., "Hand-Off Analysis For An Integrated Satellite And Terrestrial Mobile System Over A Fading Channel", IEEE 1992
	C26	FISHER, "Dual Mode Mobil Unit For Next Generation Digital Narrow Channel Cellular Telephone System", 38th IEEE Vehicular Technology Conference Proceedings, 1998, pp. 543-547
	C27	EIA/TIA Interim Standard: Recommended Minimum Performance Standards for 800 MHz Dual Mode Mobile Stations IS-55, 12/1991
	C28	Digital European Cordless Telecommunications (DECT) Standard, first published in 1991, standardized in 10/1992
	C29	FIFER et al., "The Low Cost Packet Radio", IEEE Proceedings, Vol. 75, No. 1, pp. 33-43, 01-1987
	C30	YU, "Overview of EIA/TIA IS-41", IEEE 1992
	C31	Defendant Qualcomm Incorporated's Supplemental Responses To Plaintiff Broadcom Corporation's First Set Of Interrogatories (Nos. 1-19)
	C32	Defendant Qualcomm Incorporated's Second Supplemental Responses To Plaintiff Broadcom Corporation's First Set Of Interrogatories (Nos. 1-19), 03/01/2006
	C33	Defendant Qualcomm Incorporated's Third Supplemental Responses To Plaintiff Broadcom Corporation's First Set Of Interrogatories (Nos. 5, 10)
	C34	Defendant Qualcomm Incorporated's Fifth Supplemental Responses To Plaintiff Broadcom Corporation's First Set Of Interrogatories (Nos. 2-4, 60 And First Supplemental Response To Interrogatory No. 18)
	C35	BARANOWSKY, "MSAT and Cellular Hybrid Networking," Proceedings of the Third International Mobile Satellite Conference, June 16-18, 1993, pp. 149-54.
	C36	CONNELLY, "The Westinghouse Series 1000 Mobile Phone: Technology and Applications," Proceedings of the Third International Mobile Satellite Conference, June 16-18, 1993, pp. 375-79.
PHD	C37	Proposed EIA/TIA Interim Standard Wideband Spread Spectrum Digital Cellular System Dual-Mode Mobile Station - Base Station Compatibility Standard ("Bluebook"), April 21, 1992.

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PHD	C38	TIA/EIA Interim Standard Mobile Station-Base Station Compatibility Standard for Dual-Mode Wideband Spread Spectrum Cellular Systems ("IS-95"), July 1993.	
	C39	European Telecommunication Standard, ETS 300 175-1, "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT) Common Interface, Part 1: Overview," October 1992.	
↓	C40	TORRE, "Speakeasy - A New Direction in Tactical Communications for the 21st Century," IEEE 1992.	
PHD	C41	FYE, "Expert Report of Donald M. Fye Regarding U.S. Patent No. 5,657,317", with exhibits 1-13, 12/22/2006	

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